

Undergraduate Major Map

Catalog Year 2022
College / School Arts, Sciences & Education
Major Earth Science - BA
Track / Concentration
Career Path Four Year Freshman

Fall Term 2022				Term Hours: 13
<p>The major map should be used as a general guide. Please make sure to meet regularly with your academic advisor and use your Panther Degree Audit to track your requirements. Also make sure to refer to the Major Map Endnotes for more specific information.</p> <p>Math placement is based on your Math Placement Score and classes are to be selected in consultation with an advisor. Pre-Calculus math sequence is MAC1105 and MAC1147.</p>				
Course Group	Course Required	Course Description	Credit Hours	Course Notes
UCC Mathematics Group One	MAC 1147	PreCal Alg and Trig	4	May substitute by taking MAC1114. Also satisfies UCC Mathematics Group Two course
UCC Communication	ENC 1101	Writing and Rhetoric I	3	
UCC First Year Experience	SLS 1501	First Year Exper	1	
Earth Science Common Prerequisites	CHM 1045	Gen Chemistry I	3	Also satisfies UCC Natural Science Group One course. Corequisite: CHM1045L.
Earth Science Common Prerequisites	CHM 1045L	Gen Chem Lab I	1	Also satisfies UCC Natural Science Group One lab. Corequisite: CHM1045.
ISC1056 - First Year Seminar	ISC 1056	First Year Sem Earth Env	1	

Spring Term 2023				Term Hours: 13
Course Group	Course Required	Course Description	Credit Hours	Course Notes
Earth Science Common Prerequisites	CHM 1046	Gen Chemistry II	3	Also satisfies UCC Natural Science Group 2 course. Prerequisite: CHM1045+L, Corequisite: CHM1046L.
Earth Science Common Prerequisites	CHM 1046L	Gen Chem Lab II	1	Also satisfies UCC Natural Science Group 2 course. Corequisite: CHM1046L.
UCC Communication	ENC 1102	Writing and Rhetoric II	3	
Earth Science Common Prerequisites	STA 2023	Stat Bus & Eco	3	Satisfies UCC group 1. May substitute MAC 2311, which satisfies UCC Mathematics Group Two course
UCC Humanities Group One			3	May satisfy Gordon Rule with Writing (GRW) and/or Global Learning (GL) requirement. Please speak with your advisor

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Summer Term 2023 By the end of Summer 1, students should have at least 30 credits. Use this semester to catch up on coursework and/or satisfy the 9 credits summer requirement				Term Hours: 3
Course Group	Course Required	Course Description	Credit Hours	Course Notes
UCC Social Science Group One			3	May satisfy Gordon Rule with Writing (GRW) and/or Global Learning (GL) requirement. Please speak with your advisor. (8) POS 2041 or AMH 2020 recommended if Civic Literacy requirement is not met.

Fall Term 2023 May use electives to satisfy Global Learning (GL) or Gordon Rule with Writing (GRW) requirements. Please speak with your advisor. May use one General Elective to satisfy the Elective Outside the Major requirement (if needed)				Term Hours: 15
Course Group	Course Required	Course Description	Credit Hours	Course Notes
UCC Humanities - Group Two			3	May satisfy Gordon Rule with Writing (GRW) and/or Global Learning (GL) requirement. Please speak with your advisor
Earth Science Common Prerequisites	GLY 1010	Physical Geology	3	Also satisfies UCC Natural Science Group Two course. Or can take ESC1000 or GLY3039.
Earth Science Common Prerequisites	GLY 1010L	Physical Geology Lab	1	Also satisfies UCC Natural Science Group Two course. Or can take ESC1000L or GLY3039L with its corresponding lecture.
Earth Science Common Prerequisites	PHY 2053	Physics W/O Calc I	4	Or can take PHY 2048
Earth Science Common Prerequisites	PHY 2048L	General Phys Lab I	1	Pre/co-requisite: PHY2053 or PHY2048
General Electives			3	

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Spring Term 2024				Term Hours: 12
Course Group	Course Required	Course Description	Credit Hours	Course Notes
Earth Science Common Prerequisites	PHY 2054	Physics W/O Calc II	4	Or can take PHY2049 (Prerequisite: MAC2312 and PHY2048)
Earth Science Common Prerequisites	PHY 2049L	General Phys Lab II	1	Pre/co-requisite: PHY2054 or PHY2049
Earth Science Common Prerequisites	GLY 1101	The History Of Life	3	Also satisfies UCC Natural Science Group Two course. Corequisite: GLY1101L. Or can take BSC2011+L
Earth Science Common Prerequisites	GLY 1101L	History Of Life Lab	1	Also satisfies UCC Natural Science Group Two course. Corequisite: GLY1101. Or can take BSC2011+L
UCC Arts			3	May satisfy Gordon Rule with Writing (GRW) and/or Global Learning (GL) requirement. Please speak with your advisor

Summer Term 2024				Term Hours: 6
<p>May use electives to satisfy Global Learning (GL) or Gordon Rule with Writing (GRW) requirements. Please speak with your advisor.</p> <p>May use one General Elective to satisfy the Elective Outside the Major requirement (if needed).</p> <p>Use this semester to catch up on coursework and/or satisfy the 9 credits summer requirement (if needed)</p>				
Course Group	Course Required	Course Description	Credit Hours	Course Notes
General Electives			3	
UCC Social Science Group Two			3	May satisfy Gordon Rule with Writing (GRW) and/or Global Learning (GL) requirement. Please speak with your advisor

Fall Term 2024				Term Hours: 13
<p>May use electives to satisfy Global Learning (GL) or Gordon Rule with Writing (GRW) requirements. Please speak with your advisor</p>				
Course Group	Course Required	Course Description	Credit Hours	Course Notes
Earth Science 3000-4000 Level	GLY 3202	Earth Materials	3	Prereq: (ESC1000 or GLY1010 or GLY3039) + CHM1045; or MET3502(Prereq: MET3003; offered Spring term only)
Earth Science 3000-4000 Level	GLY 3202L	Earth Materials Lab	1	Coreq: GLY3202; or MET3502L Synoptic Meteorology Lab (Coreq: MET3502; offered Spring term only)
Earth Science 3000-4000 Level	OCE 3014	Oceanography	3	Or can take OCP3002 [Prerequisites: CHM1045 + (PHY2048 or PHY2053)]
General Meteorology	MET 3003	General Meteorology	3	Prerequisite: PHY2048 or PHY2053. Or can take other List 2 course
General Electives			3	

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Spring Term 2025				Term Hours: 16
Course Group	Course Required	Course Description	Credit Hours	Course Notes
General Electives			3	
Earth Science 3000-4000 Level	GLY 3112	Earth thru Time	3	
Earth Science 3000-4000 Level - Additional Geology	GLY 4300	Petrology	3	Prerequisite: GLY3202. Or can take other List 2 course
Earth Science 3000-4000 Level - Additional Geology	GLY 4300L	Petrology Lab	1	Co-requisite: GLY4300. Or can take other List 2 course
Earth Sciences and Geology 3000-4000 Level Electives	GLY 4734	Changing Coastlines	3	Also Global Learning. Or can take other List 4 option
General Electives			3	3000-4000 Level Electives

Summer Term 2025
Use this semester to catch up on coursework and/or satisfy the 9 credits summer requirement (if needed)

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Fall Term 2025				Term Hours: 16
Please speak with your advisor about applying for graduation.				
May use one General Elective to satisfy the Elective Outside the Major requirement (if needed).				
May use electives to satisfy Global Learning (GL) or Gordon Rule with Writing (GRW) requirements. Please speak with your advisor				
Course Group	Course Required	Course Description	Credit Hours	Course Notes
Earth Science 3000-4000 Level - Additional Earth Sciences	GLY 4881	Coastal Hazards	3	Also Global Learning. Or can take other List 3 option
Earth Science 3000-4000 Level - Additional Geology	GLY 4511	Stratigraphy	3	Prerequisite: GLY3202. Or can take other List 2 option
Earth Science 3000-4000 Level - Additional Geology	GLY 4511L	Stratigraphy Lab	1	Co-requisite: GLY4511. Or can take other List 2 option
General Electives			3	
3000-4000 Level Electives			3	3000-4000 Level Electives
3000-4000 Level Electives			3	3000-4000 Level Electives. Can consider Internship

Spring Term 2026				Term Hours: 13
Course Group	Course Required	Course Description	Credit Hours	Course Notes
Senior Seminar	ISC 4935	Senior Sem Earth & Enviro	1	
Earth Science 3000-4000 Level - Additional Earth Sciences	GLY 3034	Natural Disasters	3	Or can take other List 3 option
Earth Sciences and Geology 3000-4000 Level Electives	EVR 3011	Evr Sci-Pollution	3	Or can take other List 4 option
General Electives			3	3000-4000 Level Electives
General Electives			3	

Summer Term 2026			
Use this semester to catch up on coursework and/or satisfy the 9 credits summer requirement (if needed)			

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General Requirements

Critical Indicator is the minimum grade indicated in specific courses to demonstrate proficiency and progress in major. Earning less than the minimum grade is a trigger for a conversation with advisor

GENERAL UNIVERSITY REQUIREMENTS See your Panther Degree Audit (PDA) for a real-time update on your academic career progress and additional information on University and major requirements at <http://my.fiu.edu>.

(1) UCC: Students must meet the University Core Curriculum (UCC) requirements. For a full list of UCC courses, see <http://undergrad.fiu.edu/advising/curriculum.html> or speak with your advisor. UCC courses must be taken for a letter grade and may not be taken at other institutions without permission from the Dean of Undergraduate Education.

(2) Global Learning: Freshmen entering FIU Summer B 2010 or later must take at least two Global Learning (GL) designated courses at FIU. See <http://goglobal.fiu.edu>. Courses must be:- 1 GL foundation course (from the University Core Curriculum), which must be taken within the first 60 credits.- 1 GL discipline-specific course (3000/4000 level)

(3) Summer Hours Requirement: All students entering FIU or any university within the State University System (SUS) of Florida with fewer than 60 credit hours are required to earn at least nine credit hours prior to graduation by attending one or more summer terms at a university in the SUS.

(4) Gordon Rule: All Gordon Rule courses (i.e., English Composition, Humanities with Writing, and Quantitative Reasoning) must be completed with a minimum grade of "C." This requirement must be fulfilled within the first 60 credits.

(5) Foreign Language Requirement for Graduation (FLENT/FLEX): A student who did not complete two years of the same foreign language in high school or at a post-secondary institution must successfully complete 8-10 credit hours of instruction in one foreign language prior to graduation. Exceptions include appropriate CLEP, AP, IB, TOEFL, or transfer credit. Contact your advisor for more information.

(6) Postsecondary Civic Literacy (CL): Students must demonstrate understanding of American Civics via completed course work or test credit. Consult with an advisor to determine the best option for satisfying this requirement.

(7) Summer Enrollment. Students transferring to FIU with less than 60 credits are required to earn at least 9 credits during one or more summer terms at FIU or any other university in the State University System of Florida. Courses may be completed in person or online

Grades: Students must earn a grade of "C" or higher in all courses required for the major. A grade of "C-" or lower is not acceptable in any required course.

College of Arts, Sciences & Education:Upper Division Credit Requirement

Requires completion of 45 credits upper division (3000 and 4000 level). We recommend checking your degree audit and coordinating with your assigned advisor.

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This document only lists SELECTED requirements.

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See your Panther Degree Audit for a full list of CASE and major requirements at <http://my.fiu.edu>.